

INCH-POUND

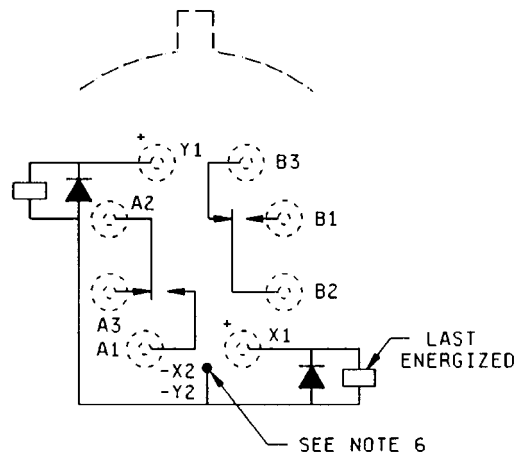
MIL-PRF-39016/29F
AMENDMENT 5
25 December 1998
SUPERSEDING
AMENDMENT 4
21 September 1992

PERFORMANCE SPECIFICATION SHEET

RELAYS, ELECTROMAGNETIC, ESTABLISHED RELIABILITY, DPDT, LOW LEVEL
TO 1.0 AMPERE (LATCHING) WITH INTERNAL DIODES FOR COIL TRANSIENT SUPPRESSION

This amendment forms a part of MIL-PRF-39016/29F, dated 20 July 1988, and is
approved for use by all Departments and Agencies of the Department of Defense.

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* FIGURE 3, bottom view: delete " ± 0.003 " for the five spreader pad lead hole, center-to-center tolerances.

* FIGURE 3, note 4, delete and substitute: Spreader pads shall comply with the requirements of A-A-55485, A-55485/05-003 or A55485/05-013.

NOTE 9, delete and substitute the following: "All leads shall be electrically insulated from the case, except for lead terminal, -X1 -Y2, which is grounded to the case."

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REQUIREMENTS, contact data, load ratings, high level (relay case grounded), resistive, delete and substitute:

"Resistive:

1.0 ampere at 28 V dc.

250 milliamperes at 115 V ac 60 and 400 Hz case not grounded.

100 milliamperes at 115 V ac 60 and 400 Hz case grounded.

REQUIREMENTS, contact data, overload (high level only), delete and substitute:

"Overload (high level only): Two times rated current. Not applicable to ac load ratings."

ELECTRICAL DATA, delete footnote 1/ and all associated references to footnote 1/ in their entirety.

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* Dielectric withstanding voltage, delete and substitute:

| | Sea level | Post intermediate current life test | Altitude |
|--|---------------|--|---------------------------------|
| | V rms (60 Hz) | Sea level V rms (60 Hz) | V rms (60 Hz) |
| Between case, frame or enclosure and all contacts in the energized and deenergized positions ----- | 500 | 500 | 125 All terminals to case |
| Between case, frame or enclosure and coils ----- | 500 | 500 | |
| Between all contacts and coils ----- | 500 | 500 | |
| Between open contacts in the energized and deenergized positions | 500 | 375 | |
| Between contact poles ----- | 500 | 500 | |
| Between coils of dual coil relays ----- | 500 | 500 | |

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TABLE I, footnote 3/ : Delete "M, 0.1" and substitute "M, 1.0".

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* Group A testing for relays supplied with spreader pads (-061 through -072), shall be tested as specified below, delete and substitute:

"Perform seal test immediately, preceding the subgroup A2 electrical tests. Relay leads shall be formed and the mounting pad removed before the seal test. After the seal test, the mounting pad shall be rigidly attached to the relay and the remaining group A tests performed."

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The margins of this amendment are marked with asterisks to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:

Army - CR
Navy - EC
Air Force - 85

Preparing activity:

DLA - CC

(Project 5945-1020-19)

Review activities:

Army - AR
Navy - AS, MC, OS, SH
Air Force - 19, 99